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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,384	09/17/2003	Robert J. Robinson	OLI-43	4206
7590 02/08/2006			EXAMINER	
Richard S. Roberts Roberts & Roberts, LLP Attorneys at Law P.O. Box 484 Princeton, NJ 08542-0484			BODDIE, WILLIAM	
			ART UNIT	PAPER NUMBER
			2674	
DATE MAILED: 02/08/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/665,384

Applicant(s)

ROBINSON, ROBERT J.

Examiner

William Boddie

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 September 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 112***

1. Claims 2-7 recite the limitation "the electronic device" in the preamble. There is insufficient antecedent basis for this limitation in the claim. Claim 1 discloses a "*multi-component* electronic device"; which is a more limited term than that of simply an electronic device.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Griffin et al. (US 6,278,442) in view of Weinzierl et al. (US 2001/0040561).

**With respect to claim 1**, Griffin discloses, a multi-component electronic device which comprises:

- a) a display component, comprising a housing having an exterior surface (fig. 2); a microprocessor within the housing (400 in fig. 1); a data memory within the housing (600 in fig. 1), which data memory is electrically coupled to the microprocessor (fig. 1); a data display on the external surface of the housing (500 in fig. 1), which data display is electrically coupled to the microprocessor and the data memory (fig. 1); and a first electrical connector (line transceiver/serial port in fig. 1) coupled to the microprocessor, the data memory and the data display (fig. 1).

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Griffin does not disclose an input component.

Weinzieri discloses, an input component (200 in fig. 2), comprising a cartridge having an outer surface (220 in fig. 2), a data input element on the outer surface of the cartridge (340 in fig. 4); and a communications interface within the cartridge (380 in fig. 4); wherein the cartridge comprises a second electrical connector (210 in fig. 4, also note para. 28) which is matedly and removably attachable to the display component via a first electrical connector such that when the first electrical connector is attached to the second electrical connector (fig. 2), both the data input element and the communications interface are electrically connected to a microprocessor (fig. 3, also note para. 26), and wherein the data input element is capable of inputting data into the microprocessor and the communications interface is capable of transmitting data between the microprocessor and a telecommunications network (para. 44, CDMA and GSM are types of telecommunications networks).

Weinzieri and Griffin are analogous art because they are both from the same field of endeavor namely PDA devices.

At the time of the invention it would have been obvious to one of ordinary skill in the art to connect the PDA, taught by Griffin, with the keyboard/modem, taught by Weinzieri.

The motivation for doing so would have been to update and access task management systems in real time (Weinzieri, para. 6).

Therefore it would have been obvious to combine Weinzieri with Griffin for the benefit of real time access to obtain the invention as specified in claim 1.

**With respect to claim 9**, it comprises the same limitations shown in claims 1 and 7. As such claim 9 is rejected on the same grounds shown in claims 1 and 7.

**With respect to claim 15**, section I is merely a recitation of the limitations of claim 1. As such section I is rejected on the same grounds shown above in claim 1.

With respect to section II, Weinzieri discloses, inputting data and function commands into the microprocessor of the display component via the data input element of the removable input component (throughout the specification Weinzieri refers to data entry and commands being input to the PDA via the keyboard, voice recognition system, or touch screen.).

With respect to sections III-IV, Griffin discloses, processing and displaying entered data throughout the specification, as this is the common outcome of entered data.

**With respect to claims 2, 10 and 17**, Griffin and Weinzieri disclose the electronic device of claims 1, 9 and 15 (see above).

Griffin further discloses, wherein the first connector comprises a data port (fig. 1 states the line transceiver is RS-232C compatible, clearly this is a data port).

**With respect to claims 3, 11 and 18**, Griffin and Weinzieri disclose the electronic device of claims 1,9 and 15 (see above).

Weinzieri further discloses, wherein the second connector comprises a data port (para. 28).

**With respect to claims 4, 12 and 19**, Griffin and Weinzieri disclose the electronic device of claims 1,9 and 15 (see above).

Weinzieri further discloses, wherein the data input element comprises a keypad (fig. 2).

**With respect to claims 5, 13 and 20,** Griffin and Weinzieri disclose the electronic device of claims 1,9 and 15 (see above).

Weinzieri further discloses, wherein the data input element comprises a touch screen (last line of para. 31).

**With respect to claims 6 and 21,** Griffin and Weinzieri disclose the electronic device of claims 1 and 15 (see above).

Griffin further discloses, wherein the data display comprises a liquid crystal display (col. 4, line 15).

**With respect to claims 7 and 22,** Griffin and Weinzieri disclose the electronic device of claims 1 and 15 (see above).

Griffin further discloses, the electronic device comprises a hand held electronic data organizer (col. 1, lines 10-14).

**With respect to claims 8, 14 and 23,** Griffin and Weinzieri disclose the electronic device of claims 1,9 and 15 (see above).

Weinzieri further discloses, wherein the communications interface comprises a modem (430 in fig. 3, a wireless transceiver is a modem as it performs modulation/demodulation actions).

**With respect to claim 16,** Griffin and Weinzieri disclose the method of claim 15 (see above).

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Weinzieri further discloses, transmitting data between the microprocessor and a telecommunications network via the communications interface (para. 44, CDMA and GSM are types of telecommunications networks).


**Conclusion**

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Grewe et al. (US 5,625,673) and Laureanti (US 6,188,917) disclose similar cellular phone / PDA interfaces.
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Will Boddie whose telephone number is (571) 272-0666. The examiner can normally be reached on Monday through Friday, 7:30 - 4:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wlb  
1/26/06

  
PATRICK N. EDOUARD  
SUPERVISORY PATENT EXAMINER